

**METHOD AND SYSTEM FOR REDUCING CELL INTERFERENCE  
USING ADVANCED ANTENNA RADIATION PATTERN CONTROL**

**19**

**ABSTRACT OF THE DISCLOSURE**

- An antenna tower generates two or more radiation patterns and selects the best pattern for receiving communications from a subscriber based on signal strength and/or signal quality.
- 5 The antenna tower uses the radiation pattern selected for receiving the communications from the subscriber for conducting communications to the subscriber.